

PRINCIPLES of CHEMISTRY LABORATORY

3150:152 KNCL-304/306

Spring, 2012

INSTRUCTORS:

Sections 001, 002, 003

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Section 800

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DESCRIPTION: Pre/Corequisite: 151, Laboratory course applying principles of thermodynamics, chemical analysis and laboratory practice.

MANUAL: Chem. Dept., *Chemistry 152: Principles of Chemistry* (required)

SCHEDULE:

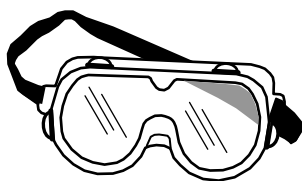
WEEK OF	EXPT.	SUBJECT	QUIZ
01/09	0	Check-in, Safety Instruction & Pattern Observations & Predictions	
01/16		NO LAB	
01/23	1	Laboratory Measurements	Safety
01/30	2	Densities	
02/06	3	Paper Chromatography	Pexp2
02/13	4	Separation of a Mixture	Pexp3
02/20		NO LAB	
02/27	5	Investigation of Some Nonmetals	Pexp4
03/05	6	Properties of Hydrates	Pexp5
03/12		NO LAB	
03/19	7	Titrimetric Determination of Equivalent Mass	Pexp6
03/26	9	Calorimetry	Pexp7
04/02	11	Investigation of Periodic Trends of Elements	Pexp9
04/09	12	P-T Relationship in Gases [†]	Pexp11
04/16	10	Molecular Structure	Pexp12
04/23		Check-out	Pexp10

† Go to <http://gozips.uakron.edu/~wagler> to view an online tutorial and example report.

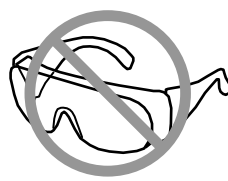
UNIVERSITY POLICIES

All applicable UA policies are in force in this course. This includes, but is not limited to:
Civility Statement
Student Code of Conduct
Sexual Harassment Policy

SAFETY. Eyes, legs, and feet **must** have protective clothing. Consistent with the provisions of *Freshman Laboratory Policies, Procedures and Rules*, any clothing that exposes the legs and feet are unacceptable attire for this course. **REGULATION SAFETY GOGGLES MUST BE WORN IN THE LABORATORY:**



REQUIRED:
Safety Goggles



NOT ACCEPTABLE:
Safety Glasses

SCHEDULING. The actual order of experiments may vary. Material may be added, deleted, or rescheduled as class need requires or time permits. If the University closes on the day a class is scheduled, the experiment may be rescheduled for the next regular class period. Failure to complete an experiment will result in a zero (0) grade. **NO PROVISION CAN BE MADE FOR MAKE-UP SESSIONS.**

EXPERIMENTS. Twelve experiments will be carried out (10-point lab for Experiment 13 + 20-point lab for Experiment 1 + 15-point labs for Experiments 2-7, 9-12). Data and calculations sheets must be turned in **by the end** of each lab session. The lowest lab grade (Expts 2-7, 9-12 only) will be dropped.

QUIZZES. Eleven 5-point quizzes, covering pre-lab material in the most recently completed experiment, will consist of 4-5 free response questions (except the safety quiz). The lowest grade will be dropped.

GRADING. Grades are based on point scores calculated as follows:

Quizzes (10@5)	50
Experiments (1@10, 1@20, 9@15)	165
Maximum point total:	215

A :	100-92%	C :	73-70%
A-:	91-89%	C-:	69-66%
B+:	88-86%	D+:	65-62%
B :	85-82%	D :	61-56%
B-:	81-78%	D-:	55-50%
C+:	77-74%	F :	<50%

STUDENT PARTICIPATION. Each student is expected to attend all scheduled laboratory sessions. A student may add/drop this course in accordance with the procedures described in the current Academic Catalog. **NON-ATTENDANCE DOES NOT CONSTITUTE OFFICIAL WITHDRAWAL.**

NEW DROP/WITHDRAWAL POLICY:

Drops: New and Continuing students may **DROP** a course **via ZipLine** through January 23. Courses dropped **by January 23** will not appear on a student's transcript. No signatures are required to drop a course.

Withdrawals: New and Continuing students may withdraw from a course **between January 24 and February 26 via ZipLine**. A WD will appear on the student's transcript. No signatures are required to withdraw from a course.

OFFICE HOURS. Students should schedule consultation with their instructor on an as-needed basis.

Any student involved in academic dishonesty such as plagiarism or similar misconduct will automatically receive a grade of F. In such instances, further penalties, including probation and dismissal, will be administered in accordance with the provisions of the ***Student Disciplinary Procedures***.